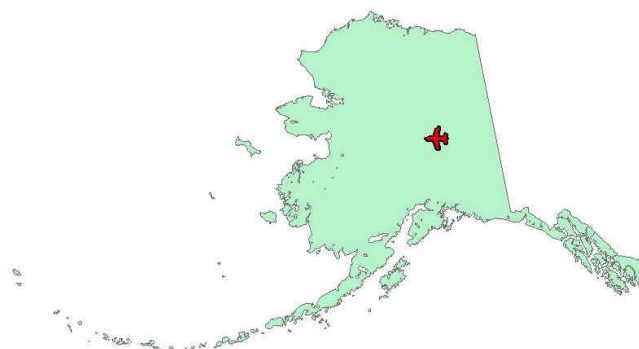


# NENANA AIRPORT



## 2004 Alaska Airport Pavement Condition Report

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Maps and report compiled by  
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 Central Region Materials, Alaska DOT&PF

# NENANA MUNICIPAL AIRPORT - 2004

## Contents:

- A Pavement Strength Form showing project history, latest Pavement Condition Index (PCI) data, pavement strength ratings and other useful information
- A Pavement Condition Survey – PCI Sample Unit Layout Plan
- PCI maps showing as-measured and predicted pavement conditions
- Age map showing pavement age as of January 2004
- A Branch PCI Condition Report
- A Section PCI Condition Report

## Airport Information:

- Location:  
The Nenana Municipal Airport is located just east of the City of Nenana in the Interior of Alaska. Nenana is along the Parks Highway (MP 304), approximately 50 miles southwest of Fairbanks. The airport is fenced with three entry points.
- District: Nenana City
- Airport Manager: Jason Mayrand
- District Maintenance Manager: N/A
- Pavement Surface: Asphalt Concrete
- Last Pavement Construction: 2003
- Pavement layout: Runway 4L-22R, 3 taxiways, and apron.
- Design Aircraft: Light General Aviation
- 2003 Enplanements: 8 – down from 11 in 2002
- Airport Class: Non-Primary
- Last pavement condition survey: 2004  
conducted by Angela Parsons and Roy Stover of Central Region Materials
- Next planned pavement condition survey: 2007
- 2004 reported pavement maintenance and/or changed conditions: Complete reconstruction completed in 2003. There are no reported problems.
- Recommendations: Seal cracks that are greater than ¼” wide and patch with cold mix as required to maintain serviceability.

Date: 9 /27/2004	<b>Branch Condition Report</b> <i>Pavement Database: NetworkID: Nenana</i>	1 of 2
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Date: 9 /27/2004

Branch Condition Report

1 of 2

Pavement Database:

NetworkID: Nenana

Branch ID	Number of Sections	Sum Section Length (Ft)	Avg Section Width (Ft)	True Area (SqFt)	Use	Average PCI	PCI Standard Deviation	Weighted Average PCI
100 (Taxiway A)	1	1200.00	50.00	66706.00	TAXIWAY	97.00	0.00	97.00
200 (Taxiway B)	1	600.00	50.00	36706.00	TAXIWAY	95.00	0.00	95.00
4100 (Parking Apron (Extension))	2	1267.00	192.00	246053.01	APRON	97.50	0.50	97.55
6100 (Runway 4L-22R)	2	4600.00	100.00	460000.00	RUNWAY	98.50	0.50	98.35

Date: 9 /27/2004

## Branch Condition Report

2 of 2

*Pavement Database:*

Use Category	Number of Sections	Total Area (SqFt)	Arithmetic Average PCI	Average PCI STD.	Weighted Average PCI
APRON	2	246053.01	97.50	0.50	97.55
RUNWAY	2	460000.00	98.50	0.50	98.35
TAXIWAY	2	103412.00	96.00	1.00	96.29
<b>All</b>	<b>6</b>	<b>809465.01</b>	<b>97.33</b>	<b>1.25</b>	<b>97.84</b>

Date: 9 /27/2004

# Section Condition Report

1 of 2

Pavement Database: NetworkID: Nenana

Branch ID	Section ID	Last Const. Date	Surface	Use	Rank	Lanes	True Area (SqFt)	Last Inspection Date	Age At Inspection	PCI
100 (Taxiway A)	100-01	08/07/2003	AC	TAXIWAY	P	0	66706.00	06/10/2004	1	97.00
200 (Taxiway B)	200-01	08/07/2003	AAC	TAXIWAY	P	0	36706.00	06/10/2004	1	95.00
4100 (Parking Apron (Extension))	4100-01	08/07/2003	AAC	APRON	S	0	111653.00	06/10/2004	1	97.00
4100 (Parking Apron (Extension))	4100-02	08/07/2003	AC	APRON	P	0	134400.00	06/10/2004	1	98.00
6100 (Runway 4L-22R)	6100-01	08/07/2003	AAC	RUNWAY	P	0	160000.00	06/10/2004	1	99.00
6100 (Runway 4L-22R)	6100-02	08/07/2003	AAC	RUNWAY	P	0	300000.00	06/10/2004	1	98.00

Date: 9 /27/2004

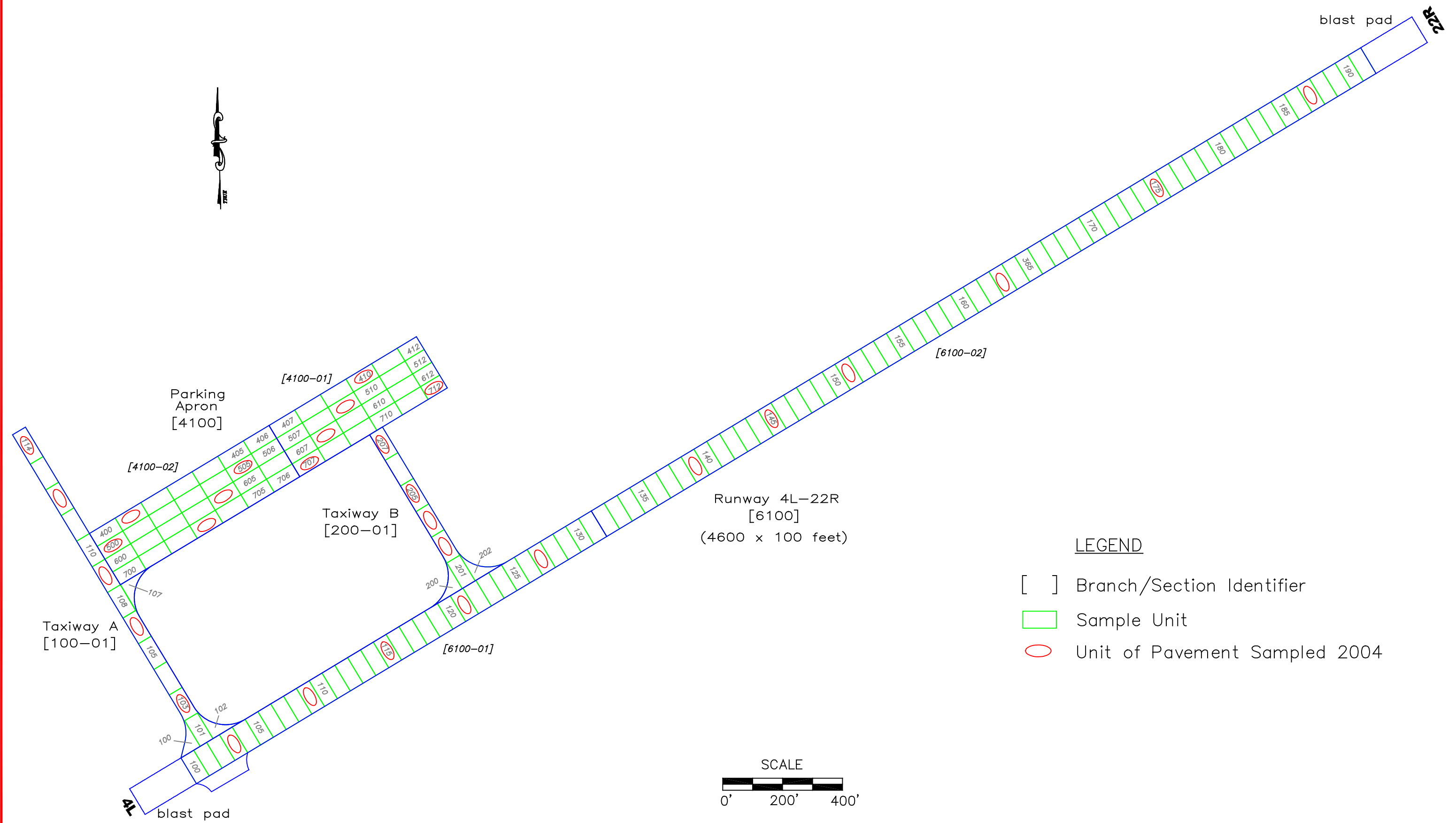
## Section Condition Report

2 of 2

*Pavement Database:*

Age Category	Average Age At Inspection	Total Area (SqFt)	Number of Sections	Arithmetic Average PCI	PCI Standard Deviation	Weighted Average PCI
0-02	1.00	809465.01	6	97.33	1.25	97.84
All	1.00	809465.01	6	97.33	1.25	97.84

[illegible]



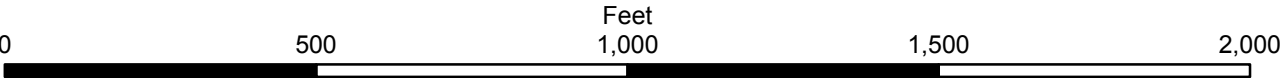
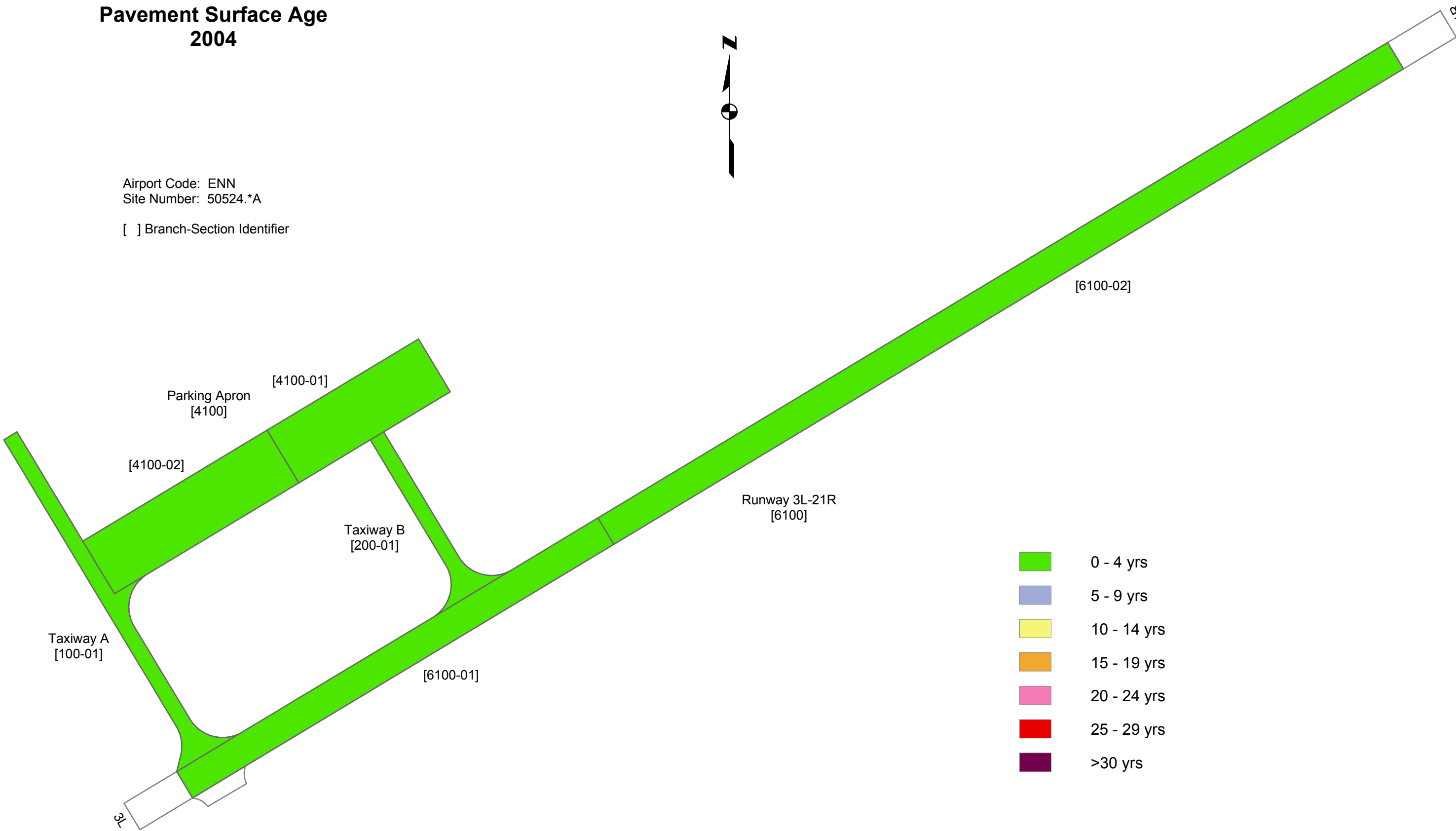


# Nenana Airport

Pavement Surface Age  
2004

Airport Code: ENN  
Site Number: 50524.\*A

[ ] Branch-Section Identifier



# Nenana Airport

## Pavement Condition Index (PCI) Measured Values for the Year 2004

Airport Code: ENN  
Site Number: 50524.\*A

[ ] Branch-Section Identifier



Minimum PCI for Runway = 70  
Minimum PCI for Taxiways and Aprons = 60

PCI Values		General Pavement Recommendations
<div></div>	85 - 100	Do Nothing or Preventative Maintenance
<div></div>	70 - 84	Preventative Maintenance
<div></div>	60 - 69	Corrective Maintenance
<div></div>	55 - 59	Rehabilitate
<div></div>	40 - 54	Rehabilitate
<div></div>	25 - 39	Reconstruct
<div></div>	10 - 24	Reconstruct
<div></div>	0 - 9	Reconstruct

Airport was reconstructed in 2003  
and pavement was 1 year old during this inspection

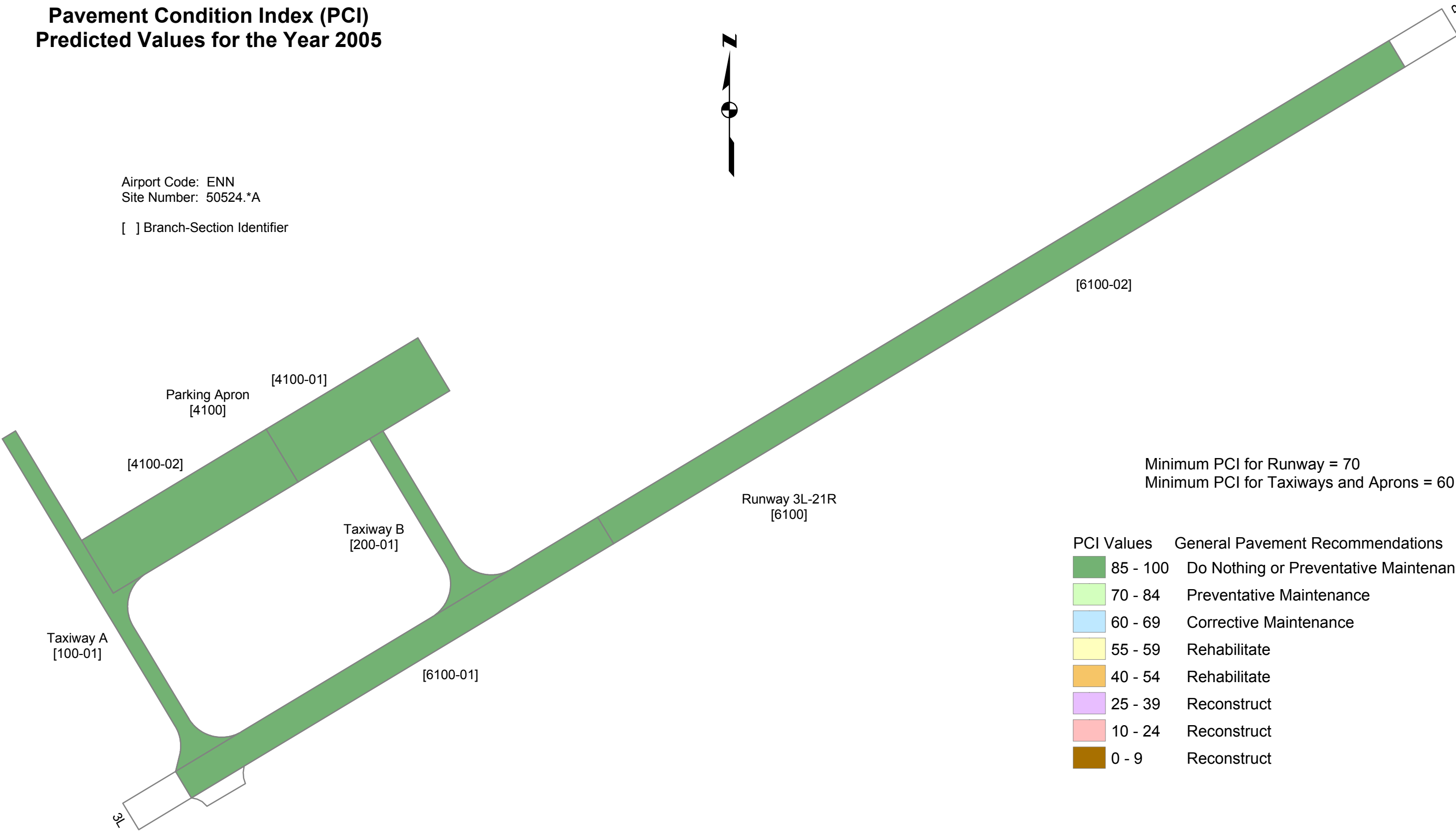


# Nenana Airport

## Pavement Condition Index (PCI) Predicted Values for the Year 2005

Airport Code: ENN  
Site Number: 50524.\*A

[ ] Branch-Section Identifier



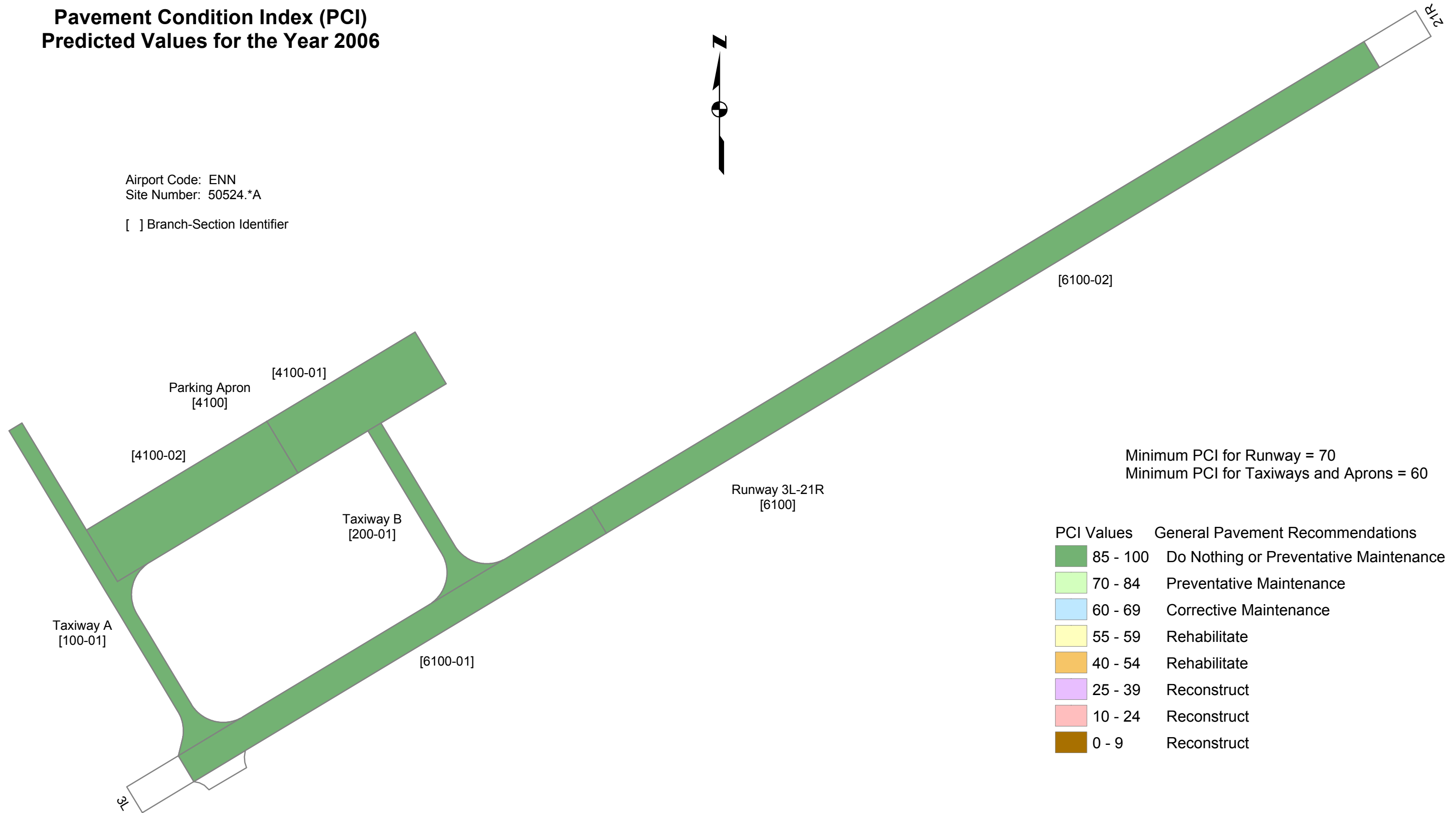
Minimum PCI for Runway = 70  
Minimum PCI for Taxiways and Aprons = 60

PCI Values		General Pavement Recommendations
85 - 100		Do Nothing or Preventative Maintenance
70 - 84		Preventative Maintenance
60 - 69		Corrective Maintenance
55 - 59		Rehabilitate
40 - 54		Rehabilitate
25 - 39		Reconstruct
10 - 24		Reconstruct
0 - 9		Reconstruct



### Pavement Condition Index (PCI) Predicted Values for the Year 2006

[ ] Branch-Section Identifier



PCI Values	General Pavement Recommendations
85 - 100	Do Nothing or Preventative Maintenance
70 - 84	Preventative Maintenance
60 - 69	Corrective Maintenance
55 - 59	Rehabilitate
40 - 54	Rehabilitate
25 - 39	Reconstruct
10 - 24	Reconstruct
0 - 9	Reconstruct

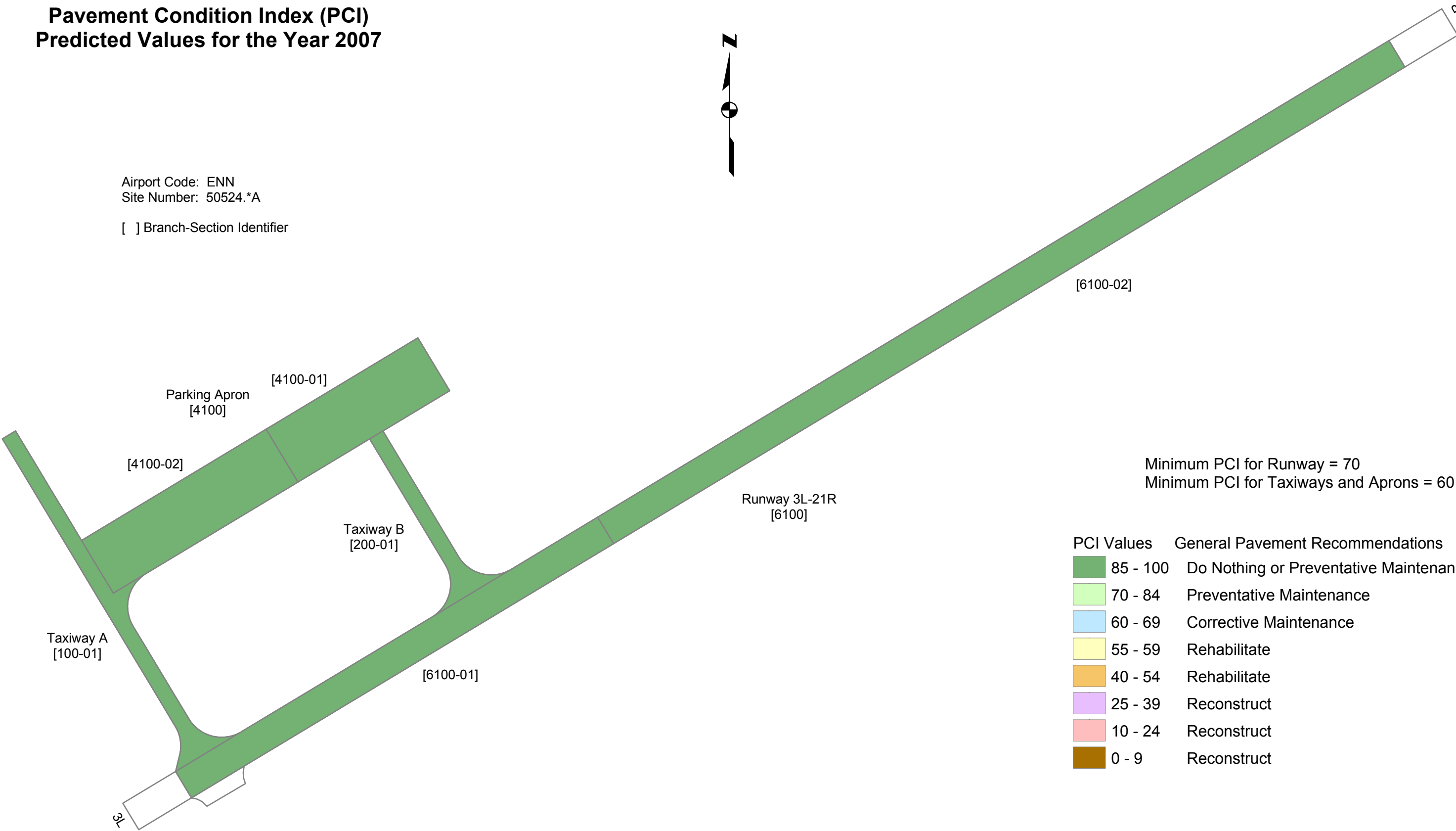


# Nenana Airport

## Pavement Condition Index (PCI) Predicted Values for the Year 2007

Airport Code: ENN  
Site Number: 50524.\*A

[ ] Branch-Section Identifier



Minimum PCI for Runway = 70  
Minimum PCI for Taxiways and Aprons = 60

PCI Values		General Pavement Recommendations
<div></div>	85 - 100	Do Nothing or Preventative Maintenance
<div></div>	70 - 84	Preventative Maintenance
<div></div>	60 - 69	Corrective Maintenance
<div></div>	55 - 59	Rehabilitate
<div></div>	40 - 54	Rehabilitate
<div></div>	25 - 39	Reconstruct
<div></div>	10 - 24	Reconstruct
<div></div>	0 - 9	Reconstruct

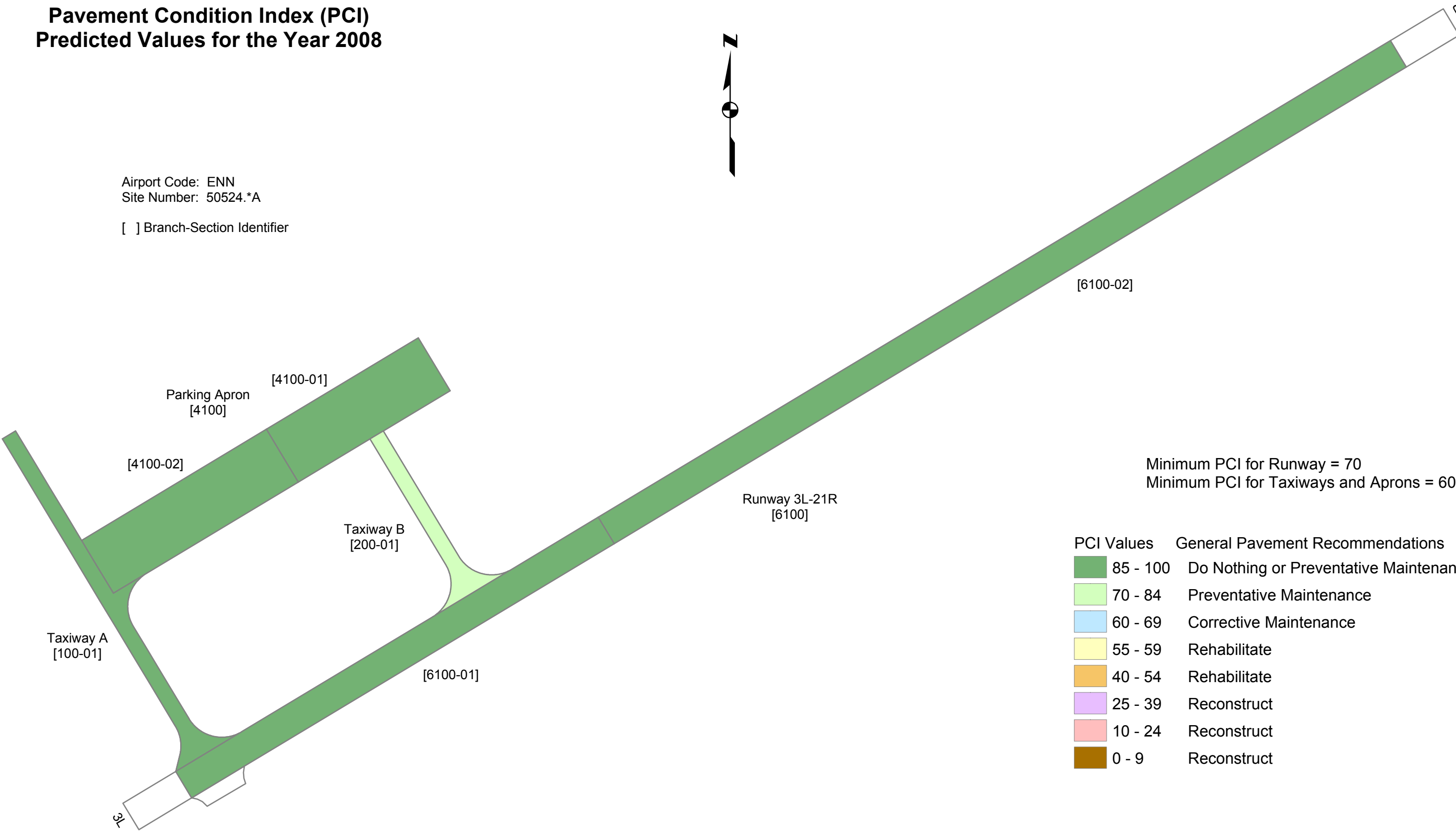


# Nenana Airport

## Pavement Condition Index (PCI) Predicted Values for the Year 2008

Airport Code: ENN  
Site Number: 50524.\*A

[ ] Branch-Section Identifier



Minimum PCI for Runway = 70  
Minimum PCI for Taxiways and Aprons = 60

PCI Values		General Pavement Recommendations
	85 - 100	Do Nothing or Preventative Maintenance
	70 - 84	Preventative Maintenance
	60 - 69	Corrective Maintenance
	55 - 59	Rehabilitate
	40 - 54	Rehabilitate
	25 - 39	Reconstruct
	10 - 24	Reconstruct
	0 - 9	Reconstruct

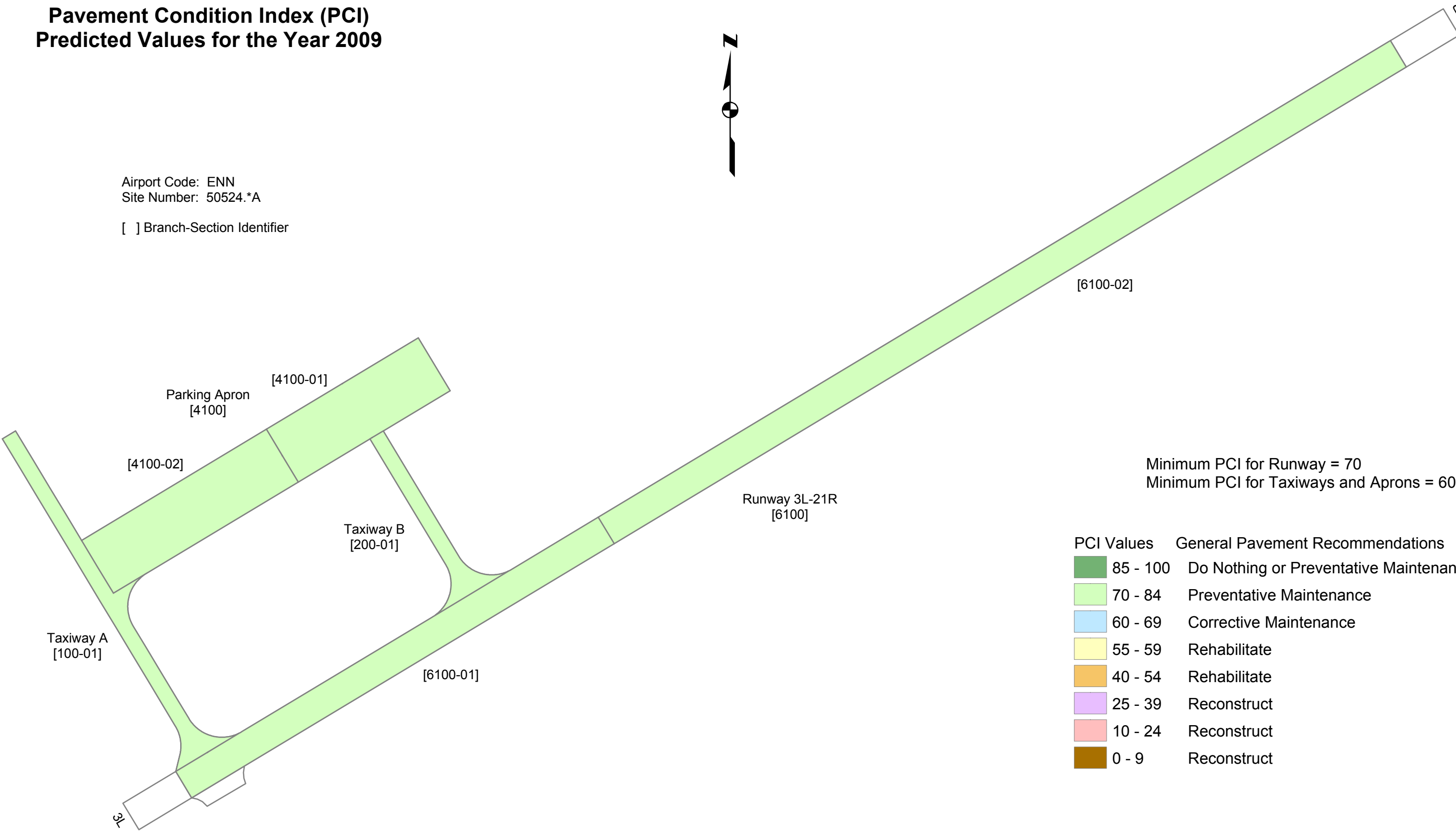


# Nenana Airport









## Pavement Condition Index (PCI) Predicted Values for the Year 2009

Airport Code: ENN  
Site Number: 50524.\*A

[   ] Branch-Section Identifier



Minimum PCI for Runway = 70  
Minimum PCI for Taxiways and Aprons = 60

PCI Values		General Pavement Recommendations
	85 - 100	Do Nothing or Preventative Maintenance
	70 - 84	Preventative Maintenance
	60 - 69	Corrective Maintenance
	55 - 59	Rehabilitate
	40 - 54	Rehabilitate
	25 - 39	Reconstruct
	10 - 24	Reconstruct
	0 - 9	Reconstruct

